

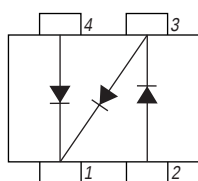
**1SV298**

π Type Attenuator Applications

Features

- Composite type with 3 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- Small interterminal capacitance ($C=0.23\text{pF}$ typ).

Electrical Connection

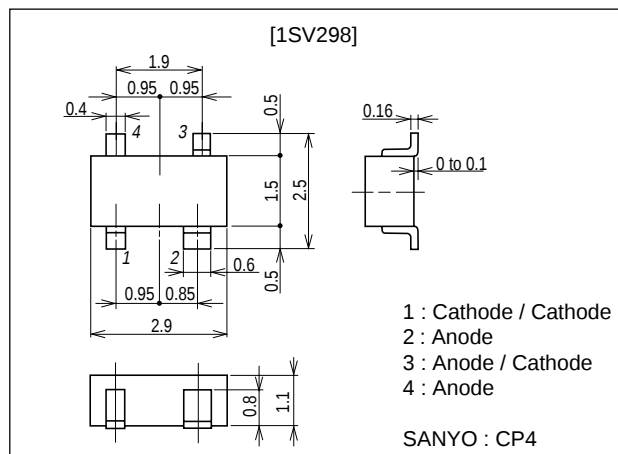


1 : Cathode / Cathode
2 : Anode
3 : Anode / Cathode
4 : Anode

Package Dimensions

unit : mm

1269A



Specifications

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Ratings	Unit
Reverse Voltage	V_R	50	V
Forward Current	I_F	50	mA
Allowable Power Dissipation	P	150	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

Electrical Characteristics at $T_a=25^\circ\text{C}$

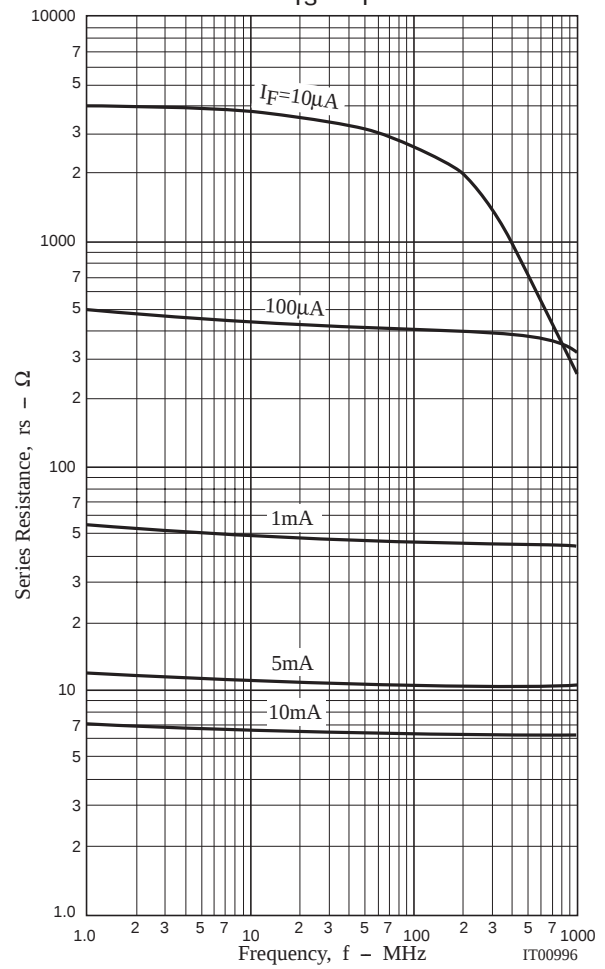
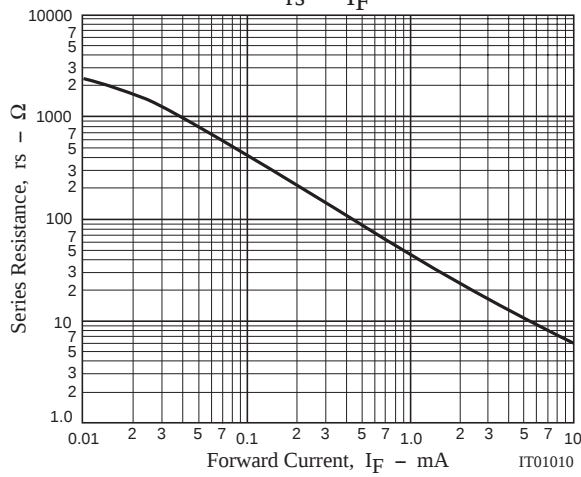
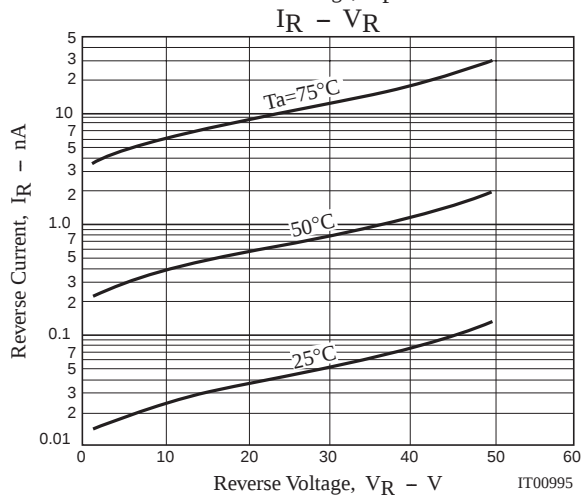
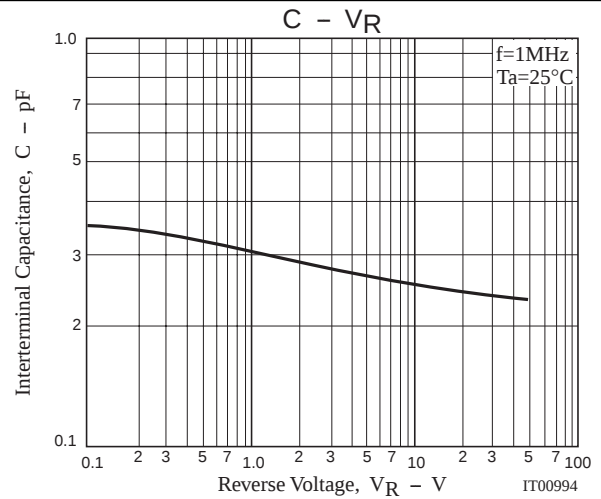
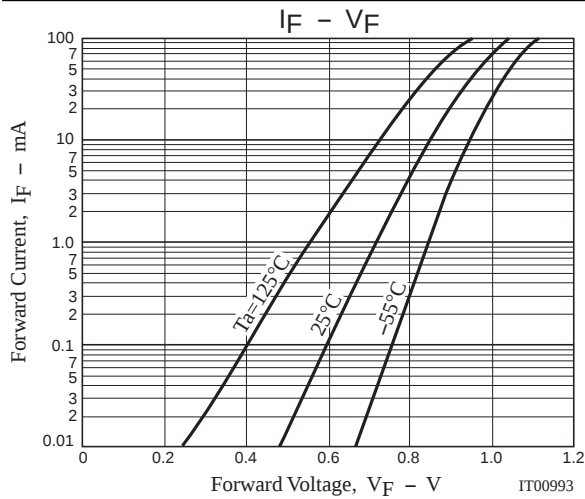
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=10\mu\text{A}$	50			V
Reverse Current	I_R	$V_R=50\text{V}$			0.1	μA
Forward Voltage	V_F	$I_F=50\text{mA}$	0.92		0.97	V
Interterminal Capacitance	C	$V_R=50\text{V}$, $f=1\text{MHz}$		0.23		pF
Series Resistance	r_s	$I_F=10\mu\text{A}$, $f=100\text{MHz}$		2400		Ω
		$I_F=10\text{mA}$, $f=100\text{MHz}$	5		7	Ω

Note) The specifications shown above are for each individual diode.

Marking : QV

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SANYO Electric Co., Ltd. Semiconductor Company
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN



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